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	APPLICANT Barany et al.	
	FILING DATE February 4, 1997	GROUP ART UNIT 1648

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO-PRIATE
	1	5,695,934	12/09/97	Brenner			

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		2	Pease et al., "Light-Generated Oligonucleotide Arrays for Rapic DNA Sequence Analysis," Proc. Natl. Acad. Sci.. USA, 91:5022-5026 (1994)
		3	Beattie et al., "Advances in Genosensor Research," Clin. Chem., 41(5):700-706 (1995)
		4	Cronin et al., "Cystic Fibrosis Mutation Detection by Hybridization to Light-Generated DNA Probe Arrays," Human Mutation, 7:244-255 (1996)
		5	Milner et al., "Selecting Effective Antisense Reagents on Combinatorial Oligonucleotide Arrays," Nature Biotechnology, 15:537-541 (1997)
		6	Wang et al., "Large-Scale Identification, Mapping, and Genotyping of Single-Nucleotide Polymorphisms in the Humane Genome," Science, 280:1077-1082 (1998)
		7	Southern, E.M., "DNA Chips: Analysing Sequence by Hybridization to Oligonucleotides on a Large Scale," TIG, 12(3):110-115 (1996)

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	1	5,143,854	9/1/1992	Pirrung et al.			
	2	5,202,231	4/13/1993	Drmanac et al.			
	3	5,258,506	11/2/1993	Urdea et al.			
	4	5,288,468	2/22/1994	Church et al.			
	5	5,371,241	12/6/1994	Brush et al.			
	6	5,424,186	6/13/1995	Fodor et al.			
	7	5,278,298	1/11/1994	Chakraborty et al.			

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	8	WO 89/10977	16-NOV-89	Europe			
	9	WO 90/15070	13-DEC-90	Europe			
	10	WO 92/10588	25-JUN-92	Europe			
	11	WO 92/16655	1-OCT-92	PCT			
	12	EP 0 601 714 A1	15-JUN-94	Europe			
	13	WO 93/17126	2-SEPT-93	Europe			

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		14	Day et al., "Detection of Steroid 21-Hydroxylase Alleles Using Gene-Specific PCR and a Multiplexed Ligation Detection Reaction," Genomics, 29:152-162 (1995)
		15	Grossman et al., "High-Density Multiplex Detection of Nucleic Acid Sequences: Oligonucleotide Ligation Assay and Sequence-Coded Separation," Nucleic Acids Research, 22(21):4527-4534(1994)
		16	Jin et al., "Alternating Current Impedance Characterization of the Structure of Alkylsiloxane Self-Assembled Monolayers on Silicon," Langmuir, 10:2662-2671 (1994)
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	19	5,290,925	3/1/1994	Fino			
	20	5,324,633	6/28/1994	Fodor et al.			
	21	5,352,582	10/4/1994	Lichtenwalter et al.			
	22	5,405,783	4/11/1995	Pirrung et al.			
	23	5,470,705	11/28/1995	Grossman et al.			

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	24	WO 93/20236	14-OCT-93	Europe			
	25	~~WO 94/17218~~	~~4-AUG-94~~	~~Europe~~			
	26	~~WO 94/17206~~	~~4-AUG-94~~	Europe			
	27	WO 94/11530	26-MAY-94	Europe			
	28	WO 94/09022	28-APR-94	Europe			

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		29	Lauer et al., "Cloning, Nucleotide Sequence, and Engineered Expression of *Thermus thermophilus* DNA Ligase, a Homolog of *Escherichia coli* DNA Ligase," Journal of Bacteriology, 173(16):5047-5053 (1991)
		30	Barany et al., "Cloning, Overexpression and Nucleotide Sequence of a Thermostable DNA Ligase-Encoding Gene," Gene, 109:1-11 (1991)
		31	Jou et al., "Deletion Detection in the Dystrophin Gene by Multiplex Gap Ligase Chain Reaction and Immunochromatographic Strip Technology, Human Mutation, 5:86-93 (1995)
		32	Chan et al., "~~Polymeric Self-Assembled Monolayers~~. 3. Pattern Transfer by Use of Photolithography, Electrochemical Methods, and an Ultrathin, Self-Assembled Diacetylenic Resist," J. Am. Chem. Soc., 117:5875-5976 (1995)
		33	~~Munkholm~~ et al., "Polymer Modification of Fiber Optic Chemical Sensors as a Method of Enhancing Fluorescence Signal for pH Measurement," Anal. Chem. 58:1427-1430 (1986)

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	34	5,494,810	2/27/1996	Barany et al.			

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		35	~~Graham et al.~~, "Gene Probe Assays on a Fibre-Optic Evanescent Wave Biosensor," Biosensors & Bioelectronics, 7:487-493 (1992)
		36	Chetverin et al., "Sequencing of Pools of Nucleic Acids on Oligonucleotide Arrays," BioSystems, 30:215-231 (1993)
		37	Pease et al., "Light-Generated Oligonucleotide Arrays for Rapid DNA Sequence Analysis," Proc. Natl. Acad. Sci. USA, 91:5022-5026 (1994)
		38	Beattie et al., "Advances in Genosensor Research," Clin. Chem., 41(5) 700-706 (1995)
		39	~~Bains, W., "Mixed Hybridization and Conventional Strategies for DNA Sequencing,"~~ Gata, 10(3-4):84-94 (1993)
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	1	5,744,305	04/28/98	Fodor et al.			

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